

U.M. Laid-Open Gazette No.S59-161224
(as published on October 29, 1984)

• U.M. Application No.S58-55929 (as filed on April 14, 1983)

Title of Invention : Multi-Switch for Vehicles

Purpose of Invention :

The present invention is to provide a multi-switch for vehicles whose operational property is improved so that only necessary functional modes are selectively and automatically displayed under magnification in accordance with the operation of various sensors.

Constitution of Invention :

The multi-switch for vehicles of the present invention comprises : a touch switch unit in which a plurality of transparent electrodes are arranged lengthwise and crosswise so as to form a plurality of contacts ; a liquid crystal display unit which is placed opposite to the touch switch unit and operates to display corresponding functional modes of the touch switch unit ; a control unit for automatically switching each of the functional modes of the touch switch unit and liquid crystal display unit into a predetermined pattern in accordance with signals from various sensors ; a notification sound generator controlled by the control unit ; and a return switch unit connected to a load group and the control unit for manually switching each of the functional modes of the liquid crystal display unit in priority order.

Technical Advantage :

The present invention having the above constitution brings the specific technical advantage, as follows. Since only the minimal functional modes are selectively and automatically displayed under magnification in accordance with the operation of various sensors, it is possible to notify a driver of the change of the pattern by the notification sound generated by the notification sound generator without being distracted by the operation of switches in the running vehicle and to switch the display pattern in priority order, every the return switch is turned on.